

## Side-Light Extraction by Light Pipe-Surface Alteration

### Abstract of the Disclosure

5 A light pipe with side-light extraction by light pipe-surface alteration includes an optical  
light pipe with a plastic light-carrying portion covered with a fluoropolymer cladding. A plurality  
of light-extraction devices is spaced along an active section of the light pipe for emission of side  
light over only a range from about 2 to 270 degrees of the cross-sectional circumference of the  
light pipe in the active section. The light-extraction devices have inlets passing through the  
cladding and optically contacting the plastic light-carrying portion. Another form of light pipe  
10 with side-light extraction by light pipe-surface alteration includes an optical light pipe with a  
plastic light-carrying portion. An active section of the light pipe for side light emission comprises  
an axisymmetrical change of area of cross section of the light pipe that generally diminishes  
from an inlet end of the active section, through the active section.